

REMARKS

With this Preliminary Amendment, claims 1-4 have been canceled and new claims 5-31 have been added. Accordingly, claims 5-31 are pending in the application. Our check to cover the fee owing by way of this Preliminary Amendment is enclosed herewith.

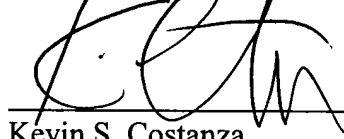
In addition, applicant encloses herewith a redlined substitute specification along with a clean copy of the substitute specification. The substitute specification contains no new matter.

The Director is authorized to charge any additional fees due by way of this Amendment, or credit any overpayment, to our Deposit Account No. 19-1090.

Entry of this Amendment, favorable consideration and a Notice of Allowance are all earnestly solicited.

Respectfully submitted,

SEED Intellectual Property Law Group PLLC



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Enclosures:

Postcard
Redlined Substitute Specification
Substitute Specification

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STRUCTURE OF FORMATIVEFORMED LIGHTING FIXTURES

FIELD OF THE INVENTION

This invention relates generally to the ~~structure of formativeformed~~ lighting fixtures, and more particularly, it relates specifically to an improved structure of formativeformed lighting fixtures fixture, which is ~~formed to create~~ creates a dazzling effect through a refracting layer so ~~that the lighting fixtures could~~ can be made ~~easier~~ easily and the ~~amount~~ number of bulb ~~could~~ bulbs used can be reduced.

BACKGROUND OF THE INVENTION

In order to heighten the ~~festiva~~ festive atmosphere, the formativeformed lighting fixtures are ~~usually structured~~ made in specific shapes can be displayed. Referring to Fig. 1, a conventional ~~structure of formativeformed~~ lighting fixtures fixture is constructed with a frame (A) and a plurality of lightinglight tubes (B), in which the frame (A) ~~could be a skeleton having~~ can have a specific appearance and be comprised of a plurality of rods, while the lightinglight tubes (B) are tangled on and along the entire skeleton such that the frame (A) could serve as a lighting ornament.

In a conventional formativeformed lighting fixture, the bulb in a lightingthe light tube (B) is ~~heated~~ operated to emanate light; however, the light is either is not refracted or is refracted in a ~~poor quality~~ poorly through the tube wall. Therefore, an object of this invention is ~~proposed to enhance the whole~~ dazzling phenomenon with fewer bulbs to thereby save power and energy compared with the conventional fixture.

SUMMARY OF THE INVENTION

The primary objective of this invention is to provide an improved structure of formativeformed lighting fixtures for eliminating the defects as mentioned in the conventional fixture.

In order to realize ~~abovesaid~~this objective, the structure of ~~formative~~formed lighting fixtures of this invention is constructed with a frame, a plurality of bulbs, and a refracting layer, in which the frame ~~could~~can be formed by gathering a plurality of rods and profiled in a specific contour (~~likee.g.~~, a Christmas tree, a Santa Claus, or an elk, etc.), ~~then, the~~. The bulbs are~~can then be~~ installed on the frame to serve ~~for~~as lighting ornaments, ~~and finally, the rods on the~~. The frame are~~is then~~ coated with a ~~refracting layer of a transparent~~ refracting material (such as plastic, acrylic, PVC, or glass~~or glass or another vitreous material~~).

The advantages and features of this invention could be summarized as the following:

1. By coating a refracting layer on the frame, the light from the bulbs ~~could~~can be refracted to produce a dazzling effect;
2. ~~Lowering~~Reduced cost and ~~saving energy~~ savings can be appreciated by reducing the ~~bulb's amount is possible~~number of bulbs; and
3. As the refracting layer ~~is~~can be formed by fusing the coating a fused-material on~~onto~~ the frame, ~~therefore, the job can be done easily and rapidly independent of the formation of the frame.~~

For more detailed information regarding advantages or features of this invention, at least an example of a preferred embodiment will be fully described below with reference to the ~~annexed~~enclosed drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

The ~~related drawings~~ discussed in ~~connection with the detailed description of this invention to be made later~~ are described briefly as follows, in which:

Fig. 1 ~~shows the three-dimensional structure~~is a perspective view of a conventional ~~formative~~formed lighting fixture, according to the prior art;

Fig. 2 ~~shows the three-dimensional structure~~is a perspective view of a lighting fixture of this invention, without the refractive coating~~a refracting layer~~;

Fig. 3 shows the ~~three-dimensional structure~~ is a perspective view of the lighting fixture of this invention, coated with a refracting layer;

Fig. 4 shows the ~~three-dimensional structure of the lighting~~ is a perspective view of a lighting fixture in according to another embodiment of this invention; and

Fig. 5 shows the ~~three-dimensional structure of the~~ is a perspective view of a lighting fixture in according to yet another embodiment of this invention.

DETAILED DESCRIPTION OF THE INVENTION

The detailed description of some preferred embodiments is made below with reference to the enclosed drawings.

Referring to Figs. 2 and 3, according to a preferred embodiment of this invention, the ~~structure of formative~~ formed lighting fixtures ~~fixture~~ is comprised of a frame (1), a plurality of bulbs (2), and a refracting layer (3).

The frame (1) illustrated in Figs. 2 and 3 is substantially a quadrangular tapered skeleton made by aggregating a plurality of rods. The plurality of bulbs (2) are disposed scatteringly on the ribs of the frame (1) is and serve as the fixture's light source, and the refracting layer (3) is made of a transparent material and is coated on the rods of the rod frame (1).

The refracting layer (3) ~~could~~ can be either a transparent vitreous material or a plastic material, such as PVC or acrylic.

Moreover, the illustrated refracting layer (3) made of a transparent material is specifically tinted and patterned.

According to another embodiment of the ~~structure of formative~~ formed lighting fixtures of this invention, shown in Figs. 4 and 5, the frame (1) is profiled in a snowman or an elk by combining a plurality of ~~mold-treated~~ molded rods provided with a plurality of bulbs (2) and coated with a refracting layer (3). In Figs. 3 and 4, the refracting layer is represented by centerlines for clarity. Thus, it would be understood by one of ordinary skill in the art, having reviewed this entire disclosure, that the

portions of the structures shown in centerline would be covered by a refractive layer similar to that illustrated and described in connection with the embodiment shown in Fig. 2.

5 The frame (1) of the ~~structure of formative~~formed lighting fixtures of this invention is skeletonized and formed into a seasonable and timely formation, such as a Christmas tree, a snowman, or an elk, etc., with selected proper rod or rib material. Then, the bulbs (2) are disposed on the skeleton of the frame (1), and finally, a suitable vitreous or transparent material, such as glass, PVC, or acrylic for example, is fused and distributed scatteringly and randomly on the skeleton of the frame (1) in its
10 thready state to thereby form the refracting layer (3) ~~such that~~. As a result, a dazzling phenomenon, making the ~~formative~~formed lighting fixtures more splendid and elegant, is ~~presented~~created when light emitted from the bulbs (2) penetrates into and refracted through the refracting layer (3).

In addition, ~~in the case where~~ the transparent refracting layer (3) is
15 specifically tinted, the ~~formative~~formed lighting fixtures would ~~show off~~create a more colorful and attractive scene. Further, a specific pattern of colors, for example an ornament on a Christmas tree, a Santa Claus's ~~dress~~ costume, or the stripe or bell of an elk, could be added to the ~~coated~~-refracting layer (3) to enrich the variations of the ~~formative~~formed lighting fixtures.

20 In the above ~~described~~description, at least one preferred embodiment has been described in detail with reference to the enclosed drawings ~~annexed~~, and it is apparent that numerous changes or modifications may be made without departing from the true spirit and scope thereof, as set forth in the claims below.